executing encryption processing for each spatial rectangle region~~tile~~, each of which is located at a lower layer belonging to the designated spatial rectangle region ~~tile~~ group, by using an encryption key generated for ~~the tile~~each spatial rectangle region.

2. (Canceled)

3. (Currently Amended) The method according to claim ~~2~~1, wherein the function generates the key information by using coordinate position information of a spatial rectangle region ~~tile~~ group or a spatial rectangle region ~~tile~~ located at the lower layer.

4. (Original) The method according to claim 1, wherein the encryption key information of the uppermost layer is output to a predetermined authentication server on the Internet.

5. (Currently Amended) The method according to claim 1, wherein

the method further comprises a step of displaying the received encoded data as a hierarchical structure of spatial rectangle regions ~~tiles~~ and spatial rectangle region ~~tile~~ groups, and

the desired spatial rectangle region ~~tile~~ group of the desired layer is designated from the hierarchical structure displayed in the display step.